SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Div. Environmental Health, 11 SHS
(207) 287-2070 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	LAMOINE
Street or Road	409 DOUGLAS HIGHWAY
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI): WORKMAN, STEWART ☒ Owner ☐ Applicant

Mailing Address of ☒ Owner ☐ Applicant	358 DOUGLAS HIGHWAY LAMOINE, ME, 04605
Daytime Tel. #	

OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.

Signature of Owner or Applicant — Date: 4/26/18

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City: Lamoine Permit #: 1889

Date Permit Issued: 5/2/18 Fee $: 265 ☐ Double Fee Charged ( )

Rebecca M Wright — L.P.I. #: 394

Local Plumbing Inspector Signature

Fee: $ 265 state min. fee $ _____ Locally adopted fee

Copy: ☐ Owner ☐ Town ☐ State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 6 Lot # 27 (portion of)

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application. _____ (1st Date Approved)

Local Plumbing Inspector Signature — _____ (2nd Date Approved)

PERMIT INFORMATION

TYPE OF APPLICATION

- ☐ 1. First Time System
- ☐ 2. Replacement System

Type Replaced: _____

Year Installed: 2010

- ☒ 3. Expanded System ONE BEDRM.
  - ☒ a. Minor Expansion <25%
  - ☐ b. Major Expansion ≥ 25%
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

SIZE OF PROPERTY

_____ ☐ sq. ft.

12± ☒ acres

SHORELAND ZONING

☐ Yes ☒ No

THIS APPLICATION REQUIRES

- ☒ 1. No Rule Variance
- ☐ 2. First Time System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 3. Replacement System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 4. Minimum Lot Size Variance
- ☐ 5. Seasonal Conversion Permit

DISPOSAL SYSTEM TO SERVE

- ☒ 1. Single Family Dwelling Unit, No. of Bedrooms: 3
- ☐ 2. Multiple Family Dwelling , No. of Units: _____
- ☐ 3. Other: (SPECIFY) _____

WAS

Current Use: ☒ Seasonal ☐ Year Round ☐ Undeveloped

DISPOSAL SYSTEM COMPONENT(S)

- ☒ 1. Complete Non-engineered System
- ☐ 2. Primitive System (graywater & alt. toilet)
- ☐ 3. Alternative Toilet, specify: _____
- ☐ 4. Non-engineered Treatment Tank (only)
- ☐ 5. Holding Tank, _____ gallons
- ☐ 6. Non-engineered Disposal Field (only)
- ☐ 7. Separated Laundry System
- ☐ 8. Complete Engineered System(2000 gpd or more)
- ☐ 9. Engineered Treatment Tank (only)
- ☐ 10. Engineered Disposal Field (only)
- ☐ 11. Pre-treatment, specify: _____
- ☐ 12. Miscellaneous components

TYPE OF WATER SUPPLY

☐ Proposed ☐ Existing

☒ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private ☐ 4. Public ☐ 5. Other: _____

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- ☒ 1. Concrete 1-1000 GAL.
  - ☐ a. Regular EXISTING
  - ☐ b. Low Profile 1-1000 GAL
  - ☒ c. with lift station PROPOSED
- ☐ 2. Plastic
- ☐ 3. Other: _____

CAPACITY 2000 gallons

SOIL DATA & DESIGN CLASS

PROFILE CONDITION

7 / C

at Observation Hole # 1

Depth 15 "

OF MOST LIMITING SOIL FACTOR

DISPOSAL FIELD TYPE & SIZE

- ☒ 1. Stone Bed ☐ 2. Stone Trench
- ☐ 3. Proprietary Device _____
  - ☐ a. Cluster Array ☐ c. Linear
  - ☐ b. Regular load ☐ d. H-20 load
- ☐ 4. Other: _____

SIZE 1000 ☒ sq. ft. ☐ lin. ft.

DISPOSAL FIELD SIZING

- ☐ 1. Medium – 2.6 sq. ft./gpd
- ☒ 2. Medium-Large – 3.3 sq. ft./gpd
- ☐ 3. Large – 4.1 sq. ft./gpd
- ☐ 4. Extra Large – 5.0 sq. ft./gpd

GARBAGE DISPOSAL UNIT

☒ 1. No ☐ 2. Yes ☐ 3. Maybe

If Yes or Maybe, specify one below:

- ☐ a. Multi-compartment Tank
- ☐ b. _____ Tanks in Series
- ☐ c. Increase in Tank Capacity
- ☐ d. Filter on Tank Outlet

EFFLUENT/EJECTOR PUMP

- ☐ 1. Not Required
- ☐ 2. May be Required
- ☒ 3. Required , PROPOSED

Specify only for engineered systems

DOSE: _____ gallons

DESIGN FLOW

270 gallons per day

BASED ON

- ☒ 1. Table 4A (dwelling unit(s)
- ☐ 2. Table 4C (other facilities)

SHOW CALCULATIONS for other facilities

☐ 3. Section 4G (meter readings) ATTACH WATER METER DATA

LATTITUDE AND LONGITUDE

at center of disposal area

Lat. 44° d 30' m 43" s N

Lon. 68° d 21' m 29" s W

if g.p.s., state margin of error 30'

SITE EVALUATOR STATEMENT

I certify that on 4-17-18 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature	SE#	Date
WILLIAM A. LaBELLE, JR.	(207) 537 - 5900	labelleseptic@rivah.net
Site Evaluator Name Printed	Telephone Number	E-mail Address

319 — 4-21-18

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

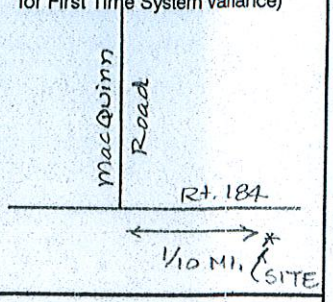
Maine Dept. of Health & Human Services
Division of Environmental Health
(207) 287-5338 FAX (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
LAMOINE	ROUTE 184	STEWART WORKMAN

SITE PLAN — Scale 1" = 40 Ft.

(SEE ATTACHED SITE PLAN)

SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)



SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 ■ Test Pit ☐ Boring

1/2 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–10	FINE SANDY LOAM TO LOAMY FINE SAND	FRIABLE	DARK BROWN / YELLOW BROWN	N.E.
10–20	CLAY	FIRM	PALE OLIVE	COMMON DISTINCT
20–50				

Soil Profile	Classification Condition	Slope	Limiting Factor Depth	
1	C	4%	15"	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole #2 ■ Test Pit ☐ Boring

1/2 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–10	FINE SANDY LOAM TO LOAMY FINE SAND	FRIABLE	DARK BROWN	N.E.
10–20	CLAY	COMPACTED	PALE OLIVE	COMMON DISTINCT
20–50				

Soil Profile	Classification Condition	Slope	Limiting Factor Depth	
1	C	4%	15"	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

WiC2cN — Site Evaluator's Signature

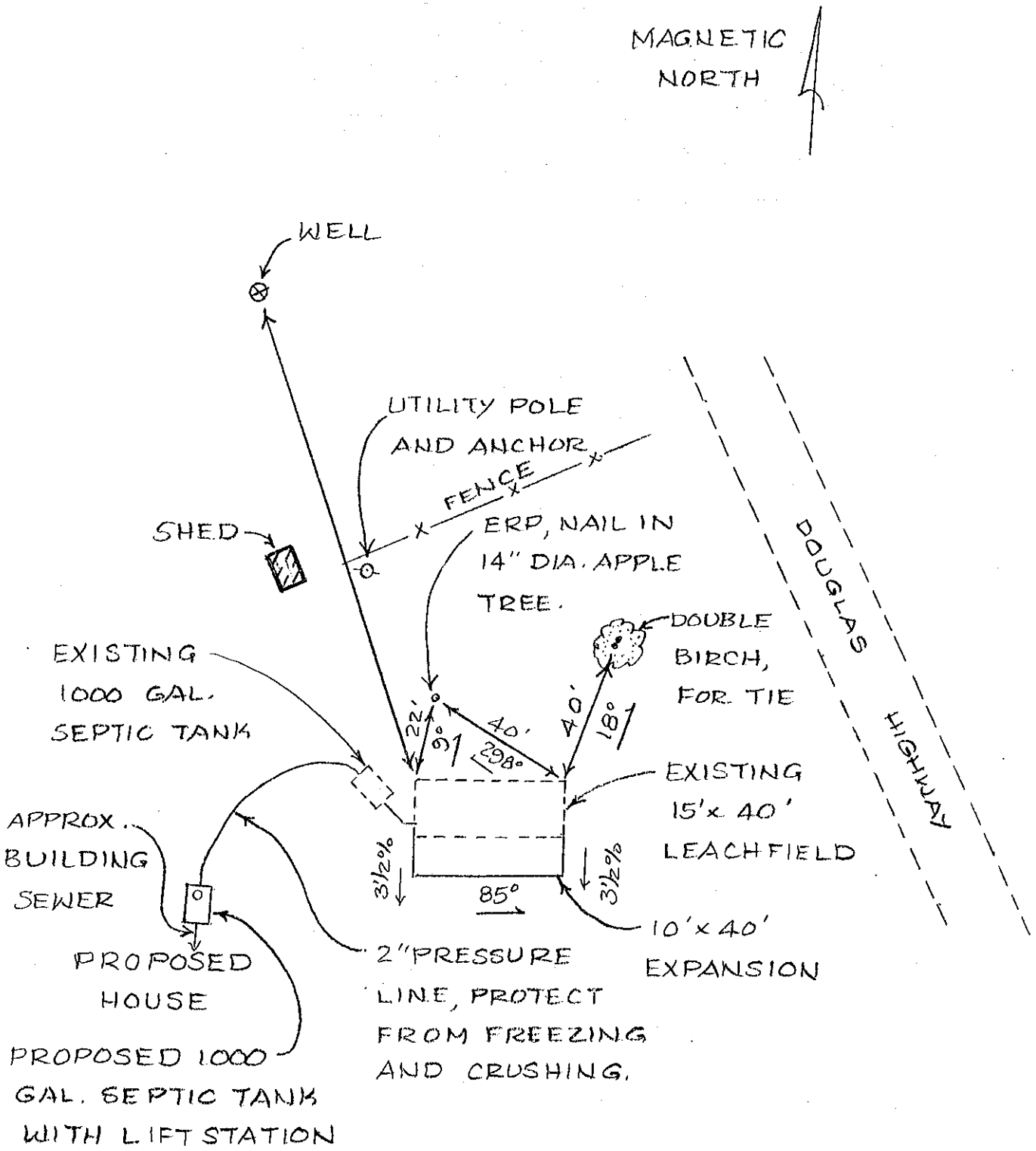
319 — S. E. #

4-21-18 — Date

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
LAMOINE	DOUGLAS HIGHWAY	STEWART WORKMAN

SUBSURFACE WASTEWATER DISPOSAL PLAN:

SCALE: 1" = 40 FT.



Site Evaluator's Signature	S.E. #	Date
	319	4-21-18

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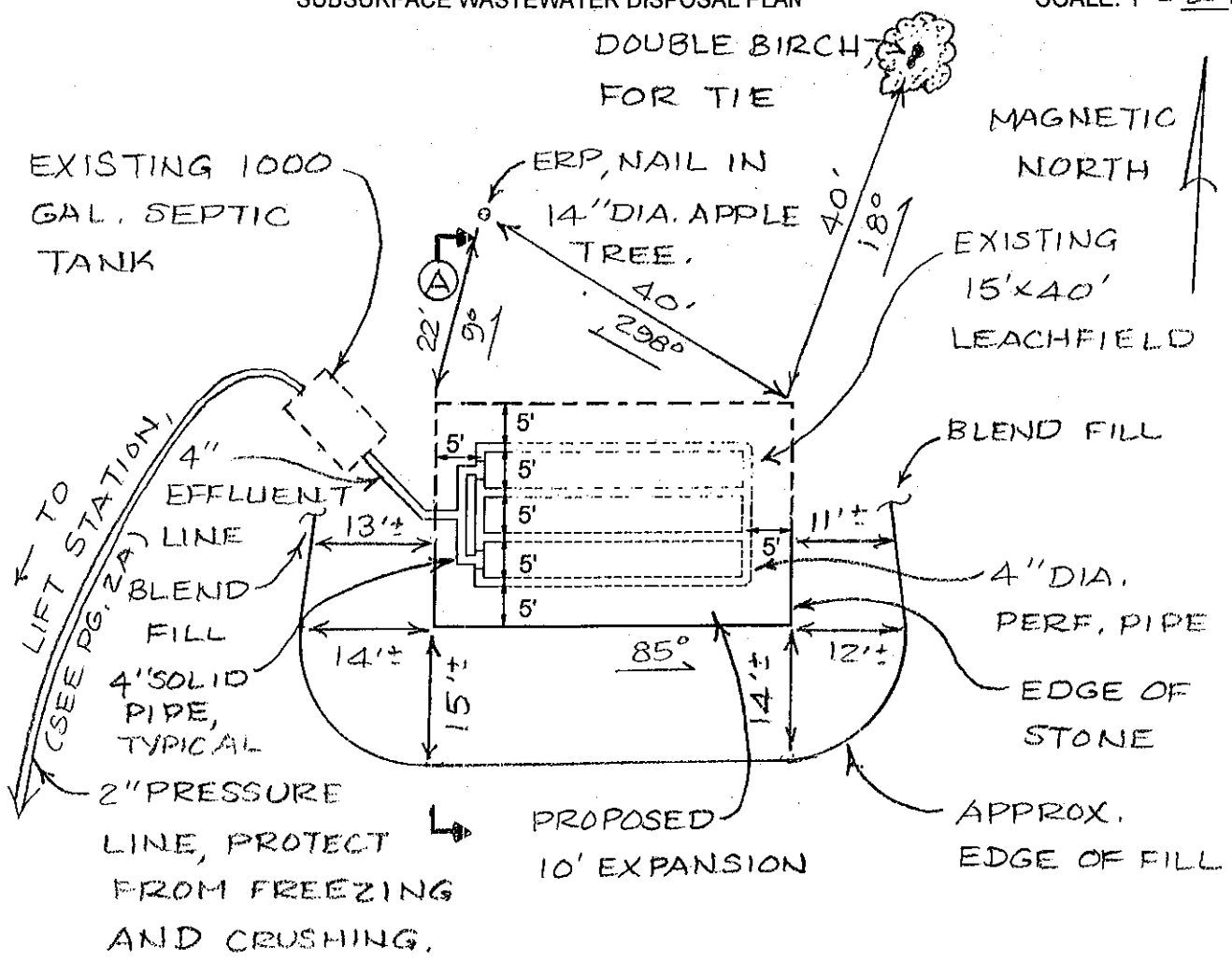
Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
LAMOINE	DOUGLAS HIGHWAY	STEWART WORKMAN

SUBSURFACE WASTEWATER DISPOSAL PLAN — SCALE: 1" = 20 FT.



FILL REQUIREMENTS	EXPANSION	CONSTRUCTION ELEVATIONS	SYSTEM:	PRIVY:	ELEVATION REFERENCE POINT
Depth of Backfill (Upslope)	25"-28"	Finished Grade Elevation	MIN -34"±		Location & Description NAIL 35" ABOVE GROUND IN 14" DIA. APPLE TREE.
Depth of Backfill (Downslope)	29"-32"	Top of Distribution Pipe or Proprietary Device	-47"±	N/A	
Depths @ cross-section shown below or on X-sec. detail.		Bottom of Disposal Field	-58"±		Reference Elevation is: 0"

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

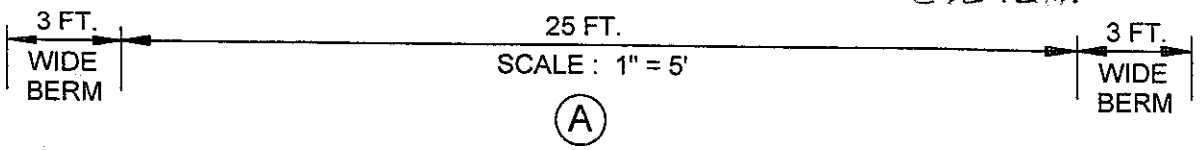
NOTES:

1. Tank(s) must be 8' minimum from building.
2. Grade surrounding area to divert surface water away from system.
3. All work done adjacent to wetlands and water bodies must be done in compliance with section 12 of the Subsurface Wastewater Disposal Rules. Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "Maine Erosion and Sediment Control BMPS" (DEPW0588).
4. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers (recommend extending risers to finish grade). Install risers to finish grade of appropriate size to allow pump removal on all in-tank pump chambers and separate pump tanks.
5. Protect lift stations and pump tanks from freezing.
6. Full basement below grade foundation or frost wall must be 20' minimum from edge of disposal field and no full basement, slab, columns or posts must be 15' minimum from edge of disposal field.

Site Evaluator's Signature	S.E. #	Date
25' X 40' BED	319	4-21-18

DISPOSAL BED CROSS SECTION

NOTE: NEW EXPANSION MUST BE LEVEL WITH EXISTING SYSTEM.



(A)

FILL MATERIAL SHALL BE 8"-12" MIN. THICK OVER STONE AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 11-E IN THE SUBSURFACE RULES.

TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER; SEED AND MULCH TO PREVENT EROSION, SEC.11-G.

CROWN FINISH GRADE FROM CENTER AT 3 % SLOPE

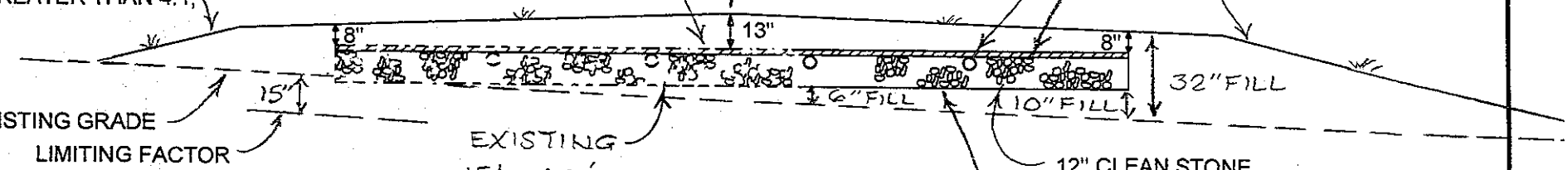
2'' COMPRESSED HAY (OR FILTER FABRIC) SEC. 11-F PLACED OVER STONE.

4" PERF. PIPE, TYPICAL

PROPOSED 10' EXPANSION

FILL EXTENSIONS NO GREATER THAN 4:1,

FILL EXTENSIONS NO GREATER THAN 4:1,



EXISTING GRADE

LIMITING FACTOR

EXISTING 15'x40' LEACHFIELD

REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

BOTTOM OF STONE MUST BE LEVEL WITH MAXIMUM GRADE TOLERANCE OF 2" PER 100'.

12" CLEAN STONE, (1 1/2" DIA.), UNIFORM SIZE

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 6 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE, SEC. 11-B.

ELEVATIONS:

ELEV. REF. PT. (ERP):	0''
FINISHED GRADE:	-34''± MIN,
TOP OF DISTRIBUTION PIPE:	-47''±
BOTTOM OF STONE:	-58''± (FOR REFERENCE ONLY), SEE NOTE ABOVE.

NOTE:

SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRATOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

OWNER: STEWART WORKMAN

LOCATION: LAMOINE

William A. LaBelle, Jr.

WILLIAM A. LaBELLE, JR.

319

S.E.#

4-21-18

DATE

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